adjacent clamping rings. In this case, multiple metallic wool layers, for example, are inserted, thereby increasing the germ barrier even further.

[0017] The above embodiment can be even further improved by including a slotted, bent locking ring that engages the inner wall of the annulus with very little play and that locks the distal layer, made of metallic wool for example, against the next clamping ring. This locking ring is inserted when the surgeon has determined the optimum number of clamping rings and layers made of metallic wool for example, and then wishes to close the built up arrangement. After pressing the locking ring into the bushing, it is no longer possible to shift the arrangement longitudinally on the bushing.

## BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

[0018] The foregoing summary, as well as the following detailed description of the invention, will be better understood when read in conjunction with the appended drawings. For the purpose of illustrating the invention, there are shown in the drawings embodiments which are presently preferred. It should be understood, however, that the invention is not limited to the precise arrangements and instrumentalities shown. In the drawings:

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[0019] Fig. 1 is a schematic sectional view through a thigh stump and through the implanted subcutaneous support according to a first embodiment of the invention;

[0020] Fig. 2 is a schematic view, partially in a section, of the intermediate piece of the support with the cap-shaped skirt and through the multiple layers of the metallic web, fabric, mesh and/or the metallic wool, according to a preferred embodiment of the invention;

[0021] Fig. 3 is a distal view of the cap-shaped skirt according to Fig. 2; and

[0022] Fig. 4 is a schematic sectional view of the intermediate piece of the support in a further embodiment of the invention.

[0023] In the following, like parts are provided with the same reference numbers.

## DETAILED DESCRIPTION OF THE INVENTION

[0024] As shown in Fig. 1, the thigh stump is designated in general with the reference number 10. The bone stump 11 in this case is the stump of a femur. A rigid transcutaneous implant 2 is inserted in the femur stump 11. The implant is closed off distally by a metal sleeve 12, which has a proximal peripheral flange 13, which encloses the femur stump 11.

[0025] Inside the metal sleeve 12 is formed a conical clamping sleeve 14. This is provided to produce a conical clamp connection with the intermediate piece 3, which in this case is designed as a double cone. The intermediate piece 3 has a cylindrical center section 9 onto which the bushing 5